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Josep [ES/ES]; Universitat Politècnica de Catalunya, Jordi
Girona, 31, E-08034 Barcelona (ES). PISA MARTINEZ,
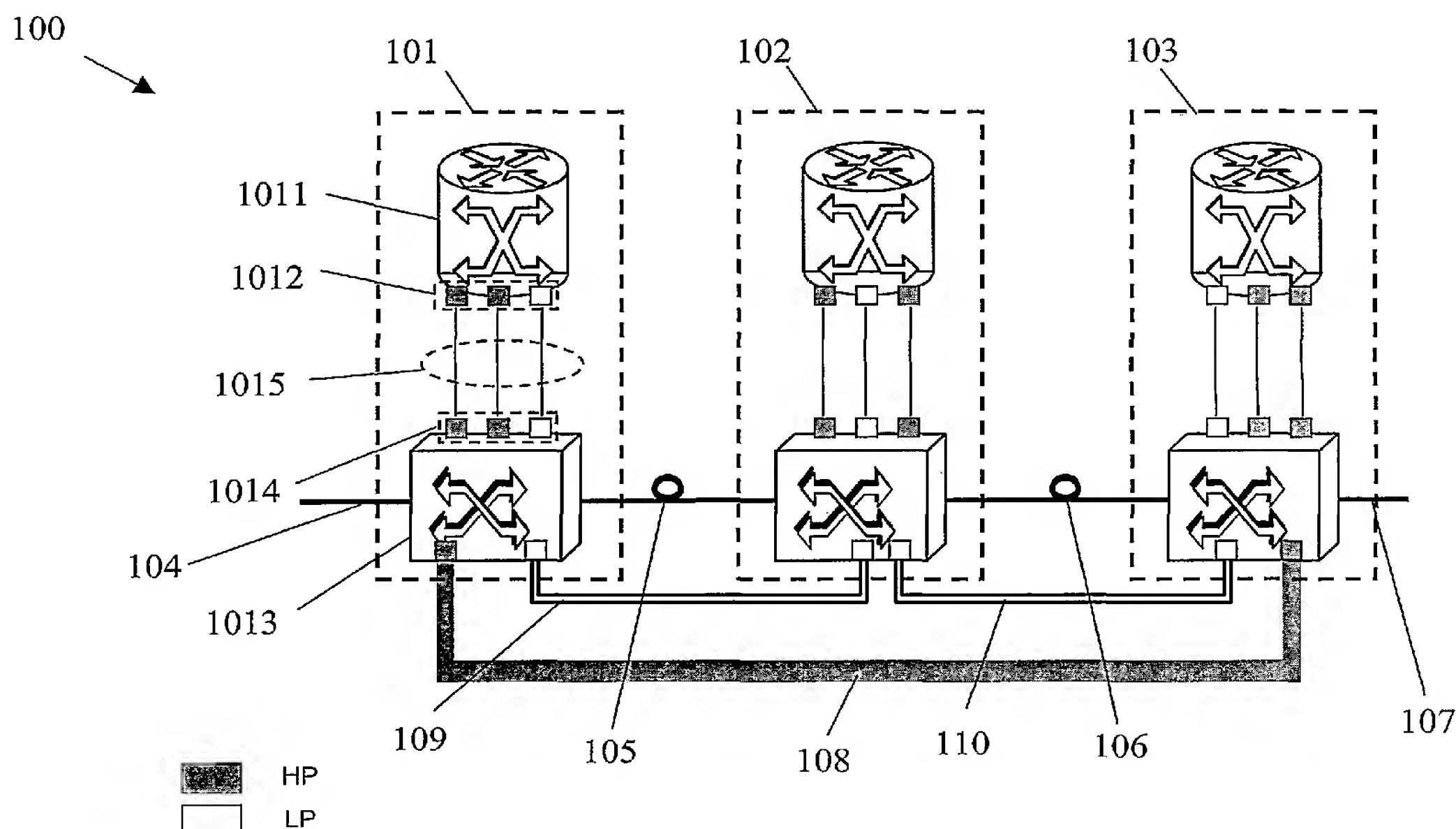Oscar [ES/ES]; Telecom Italia S.p.A, Via G. Reiss Ro-
moli, 271, I-10148 Torino (IT).

(54) Title: SYSTEM AND METHOD FOR THE AUTOMATIC SETUP OF SWITCHED CIRCUITS BASED ON TRAFFIC PRE-
DICTION IN A TELECOMMUNICATIONS NETWORK

(57) Abstract: An optical network is configured so as to dedicate a first portion of lightpaths to high priority traffic, and leaving a
second portion of lightpaths available for low priority traffic. The high priority traffic entering the high priority lightpaths is moni-
tored. In case of detection of a burst in high priority traffic, at least of the low priority lightpaths is torn down, so as to make available
network resources within the network. Then, a new temporary lightpath is set up using the available network resources, and high
priority traffic is routed on the temporary lightpath.

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ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

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KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG)

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